Form PTO-1449 INFORMAT		OSURE STATEMENT BY APPLICANT				ket No. 802 01)	Serial No. 10/822,528		
INFORMATION DISCE OSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					Applicant Daxiang Wang et al.				
RADE						c 2004	Group 1621		
REFERENCE	DESIGNATIO	N U.S. PATENT DO	CUMENTS		1				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE		
	AA	3,996,105	12/07/1976	Harrison et al.	195	28			
	AB	4,269,940	05/26/1981	Patel et al.	435	148			
	AC	4,318,784	03/09/1982	Higgins et al.	204_	73/			
<u></u>	AD	4,587,216	05/06/1986	Patel et al.	435	123			
	AE	4,827,043	05/02/1989	Butler \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	568	492			
	AF	5,128,060	07/07/1992	Ueno et al.	252	184			
	AG	5,192,672	03/09/1993	Lipscomb	435	155			
	AH	5,453,211	09/26/1995	Alward J	252	45			
	Al	5,714,379	02/03/1998	Phipps, Jr.	435	266	· · · ·		
	AJ	5,730,003	03/24/1998	Nguyen et al.	62	648	··· · · · · · · · · · · · · · · · · ·		
	AK	5,958,757	09/28/1999	Steffan et al.	435	262.5	<del>-</del>		
	AL	5,985,649	11/19/1999	Stensel et al.	435	266			
	AM	6,019,810	02/01/2000	Phillips et at.	55	512			
	AN	6,043,288	03/28/2000	DeGeorge et al.	518	715			
	AO	6,103,773	08/15/2000	Wittenbrink et al.	518	702			
	AP	6,147,126	11/14/2000	DeGeorge et al.	518	715	· · · · · · · · · · · · · · · · · · ·		
	AQ	6,169,120	01/02/2001	Beer	518	715	<del></del>		
	AR	6,254,946	07/03/2001	Hirata et al.	428	35.2			
	AS	6,277,338	03/21/2001	Agee et al.	422	189	· · · · · · · · · · · · · · · · · · ·		
OTHER ART	AT	6,369,148	04/09/2002	Chiang et al.	524	417			
JINEK AKI (I	AU	or, Title, Date, Perti Structured Catalys	ts and Reactors, A	L. Cyulski and J.A. Moulijn (eds.), Marcel Dek	ker Inc., 199	8 (p. 599-615			
· +	AV	U. Balachandran et al., Dense Ceramic Membranes for Partial Oxidation of Methane to Syngas, Applied Catalysis A: General							
	ÄW	133/1995 (p. 19-29)  Jonghee Han et al., Oxygen Permeation Through Flourite-Type-Bismuth-Yttrium-Copper Oxide Membranes. Journal of							
<del></del>	AX /	Membrane Science, 132 (1997) p. 235-243  H.J.M. Bouwmeester et al., Oxygen Semipermeability of Erbia-Stabilized Bismuth Oxide, Solid State Ionic, 53-56 (1992) p. 460-							
<del></del>	AY	468 Shenglin Liu et al., Effects of Alkali and Rate Earth Metal Oxides on the Thermal Stability and the Carbon-Deposition over Nickel							
	AZ	Based Catalyst, Study of Surface Science and Catalyst, 119 (1998) p. 747-52  Chung-Yi Tsai et al., Dense Perovskite, La <sub>1.x</sub> A <sub>x</sub> Fe <sub>1.y</sub> Co <sub>y</sub> O <sub>1.x</sub> (A=Ba,Sr,Ca), Membrane Synthesis, Applications and							
	BA	Characterization, J. Am. Ceram. Soc. 81 [6] p. 1437-1444 (1998)  L.M. van der Haar et al., Homogeneous Porous Perovskite Supports for Thin Dense Oxygen Separation Membranes, Journal of							
	BB	Membrane Science, 180 (2000) p. 147-155  Schulz et al., Applied Catalyst Volume 186 Nos. 1,2 October 1999 (229 p).							
EXAMINER			D	ATE CONSIDERED					
XAMINER: In	iitial if referenc red. Include co	e considered, wheth	er or not citation	is in conformance with MPEP §609; Drawation to the applicant.	line throug	h citation if	not in conformance		

L	司			•	l .		ļ		
Form PTO-1449 (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						Atty. Docket No. 1856-17802 (9407-A-01)		Serial No. 10/822,528	
						Applicant Daxiang Wang et al.			
					Filing Dat April 12,		Group 1621		
EFERENCE	DESIGNATIO	N U.S. PATENT DO	CUMENTS		<del></del>		<u>• • • • • • • • • • • • • • • • • • • </u>		
XAMINER NITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING APPRO	DATE :	
	вс	3,812,035	05/21/1974	Krenowicz et al.	252	59			
-	BD	4,800,189	01/24/1989	Eschwey et al.	502	400		•	
	BE	5,446,232	08/29/1995	Chen et al.	585	845	02/14/19	94	
	BF	5,484,580	01/16/1996	Sharma	423	219	01/19/19	94	
	BG	5,607,572	03/04/1997	Joshi	205	763	03/21/19	95	
	вн	6,025,305	02/15/2000	Aldrich et al.	508	110	08/04/19	98	
	BI	6,287,653	09/11/2001	Speer et al.	428	35.4	03/05/19	99	
	ВЈ	6,351,971	03/05/2002	Nguyen ét al.	62	648	12/29/20	00	
	ВК	6,376,434	04/23/2002	Kalafuchi	508	291	10/23/19	97	
		<u> </u>	;	<i>X</i>					
OREIGN PAT	TENT DOCUM	IENTS		/	γ		γ		
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	Translation YES NO		
			1				123	<u> </u>	
THER ART	Including Auth	or, Title, Date, Pert	inent Pages Tu	•1		· · · · · · · · · · · · · · · · · · ·	L		
				<del></del>					
	BL	Guoxing Xiong, F Membrane Reacto		ing Shao, Jianhua Tong, Shishan Sheng, V	Weishen Yang, Inte	ernational Co	onference of	n Cataly	
	/			·					
KAMINER	<u>/</u>			DATE CONSIDERED		·		<del>-</del>	

Form PTO-1449 (Modified)  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)  APR 2 0 2005						ket No. 802 -01)	Serial No. 10/822,528		
						Applicant Daxiang Wang et al.			
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						e 2004	Group · 1621		
REFERENCE	DESIGNATIO	US PAPENT DO	CUMENTS			, ., .,			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE		
W	AA	3,996,105	12/07/1976	Harrison et al.	195	28			
	AB	4,269,940	05/26/1981	Patel et al.	435	148			
	AC	4,318,784	03/09/1982	Higgins et al.	204	73			
	AD	4,587,216	05/06/1986	Patel et al.	435	123			
	AE	4,827,043	05/02/1989	Butler	568	492			
	AF	5,128,060	07/07/1992	Ueno et al.	252	184			
	AG	5,192,672	03/09/1993	Lipscomb	435	155			
	AH	5,453,211	09/26/1995	Alward	252	45			
	AI	5,714,379	02/03/1998	Phipps, Jr.	435	266			
	AJ	5,730,003	03/24/1998	Nguyen et al.	62	648			
	AK	5,958,757	09/28/1999	Steffan et al.	435	262.5			
	AL	5,985,649	11/19/1999	Stensel et al.	435	266			
	AM	6,019,810	02/01/2000	Phillips et al.	55	512			
	AN	6,043,288	03/28/2000	DeGeorge et al.	518	715			
	AO	6,103,773	08/15/2000	Wittenbrink et al.	518	702			
	AP	6,147,126	11/14/2000	DeGeorge et al.	518	715			
	AQ	6,169,120	01/02/2001	Beer	518	715			
	AR	6,254,946_	07/03/2001	Hirata et al.	428	35.2			
1	AS	6,277,338	08/21/2001	Agee et al.	422	189			
OTHER ART	AT	6,369,148 or, Title, Date, Pert	04/09/2002	Chiang et al.	524	417			
J.A	AU				der Inc., 199	8 (p. 599-615	5)		
37	AV	Structured Catalysts and Reactors, A. Cyulski and J.A. Moulijn (eds.), Marcel Dekker Inc., 1998 (p. 599-615)  U. Balachandran et al., Dense Ceramic Membranes for Partial Oxidation of Methane to Syngas, Applied Catalysis A: General							
	AW	133, 1995 (p. 19-29)  Jonghee Han et al., Oxygen Permeation Through Flourite-Type-Bismuth-Yttrium-Copper Oxide Membranes, Journal of							
<del>                                     </del>	AX	Membrane Science	e , 132 (1997) p. 2	235-243					
	AY	H.J.M. Bouwmeester et al., Oxygen Semipermeability of Erbia-Stabilized Bismuth Oxide, Solid State Ionic, 53-56 (1992) p. 460-468							
<del></del>	AZ	Shenglin Liu et al., Effects of Alkali and Rate Earth Metal Oxides on the Thermal Stability and the Carbon-Deposition over Nickel Based Catalyst, Study of Surface Science and Catalyst, 119 (1998) p. 747-52							
	ne.	Chung-Yi Tsai et al., Dense Perovskite, La <sub>1.x</sub> A <sub>x</sub> Fe <sub>1.x</sub> Co <sub>2</sub> O <sub>3-n</sub> (A=Ba,Sr,Ca), Membrane Synthesis, Applications and Characterization, J. Am. Ceram. Soc. 81 [6] p. 1437-1444 (1998)							
	ВА	L.M. van der Haar et al., Homogeneous Porous Perovskite Supports for Thin Dense Oxygen Separation Membranes, Journal of Membrane Science, 180 (2000) p. 147-155							
45	BB Schulz et al., Applied Catalyst Volume 186 Nos. 1,2 October 1999 (229 p).								
EXAMINER EXAMINER: In	itial if parama	Pau	D.	ATE CONSIDERED 2/2	205				
and not consider	ed. Include co	py of this form with	next communica	is in conformance with MPEP §609; Draw tion to the applicant.	ine throug	n citation if	not in conformance		

Form PTO-1449 (Modified) Atty. Docket No. Serial No. 10/822,528 1856-17802 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (9407-A-01) (Use several sheets if necessary) Applicant Daxiang Wang et al. Filing Date Group April 12, 2004 1621 REFERENCE DESIGNATION U.S. PATENT DOCUMENTS DOCUMENT **EXAMINER** DATE NAME **CLASS** SUB-FILING DATE IF INITIAL NUMBER **CLASS** APPROPRIATE BC 252 3,812,035 05/21/1974 Krenowicz et al. 59 BD 01/24/1989 502 4,800,189 Eschwey et al. 400 BE 5,446,232 08/29/1995 Chen et al. 585 845 02/14/1994 BF 5,484,580 01/16/1996 423 219 01/19/1994 Sharma BG 5,607,572 03/04/1997 205 763 03/21/1995 Joshi BH 6,025,305 02/15/2000 Aldrich et al. 508 110 08/04/1998 ΒI 6,287,653 09/11/2001 Speer et al. 428 35.4 03/05/1999 03/05/2002 BJ 6,351,971 62 Nguyen et al. 648 12/29/2000 47 BK 6,376,434 04/23/2002 Katafuchi 508 10/23/1997 291 FOREIGN PATENT DOCUMENTS DOCUMENT DATE COUNTRY CLASS SUB-Translation NUMBER CLASS YES NO OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.) Guoxing Xiong, Hui Dong, Zongping Shao, Jianhua Tong, Shishan Sheng, Weishen Yang, International Conference on Catalytic Membrane Reactors-2000, 25-26 **EXAMINER** DATE CONSIDERED 7/2005 EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.